

Method for Graftless Spinal Fusion

Abstract

A graftless spinal implant for mechanically attaching two adjacent vertebrae includes a body having first and second opposite surfaces. The first and second surfaces include at least one protruding member for securing the body to adjacent vertebrae, wherein the exterior surfaces of the body and the first and second protruding members include a bioactive coating. The bioactive coating can be selected from coatings such as for example, hydroxyapatite. The exterior bioactive coating facilitates the ongrowth/ingrowth of vertebral bone between the implantable spinal fusion device and adjacent vertebrae. Advantageously, spinal fusion may be achieved without the use of a bone graft and/or bone growth agents.